



**Enron Capital & Trade Resources Corp.**

From: "Fuller, Don" <DFuller@caiso.com>@caiso.com>

07/19/2000 11:50 AM

Sent by: "Happ, Susan" <SHapp@caiso.com>

To: ISO Market Participants  
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cc:

Subject: CPUC and FERC Requests

Scheduling Coordinators and Participating Transmission Owners:

The ISO has received three requests for information from the California Public Utilities Commission. In addition, the Federal Energy Regulatory Commission has expressed interest in obtaining information furnished to other agencies. Because of confidentiality provisions of the ISO tariff, we are notifying, by way of this email, Scheduling Coordinators and Participating Transmission Owners of the requests. Please see the memo below for details and information.

Don Fuller

Director, Client Relations

To: Don Fuller  
From: Jeanne Sole

The CA ISO is in receipt of three requests for information from the California Public Utilities Commission (CPUC). The information requested in two of the requests is listed in attachment A to this notice. In addition, the CPUC has requested that the ISO provide to the CPUC any information provided to the Electricity Oversight Board (EOB) in response to an EOB June 29 request. The information requested by the EOB is listed in attachment B. (An ISO notice regarding the EOB request was issued on July 3). Some of the information requested is subject to confidential treatment by the ISO pursuant to section 20.3 of the tariff.

The CA ISO is in the process of determining and compiling its response to the request.

This notice is provided in accordance with section 20.3.4 of the ISO tariff which states:

Notwithstanding anything in this Section 20.3 to the contrary, if the ISO is required by applicable laws or regulations, or in the course of administrative or judicial proceedings, to disclose information that is otherwise required to be maintained in confidence pursuant to this Section 2.3, the ISO may disclose such information; provided, however, that as soon as the ISO learns of the disclosure requirement and prior to making such disclosure, the ISO shall notify any affected Market Participant of the requirement and the terms thereof. The Market Participant may, at its sole discretion and own cost, direct any challenge to or defense against the

disclosure requirement and the ISO shall cooperate with such affected Market Participant to the maximum extent practicable to minimize the disclosure of the information consistent with applicable law. The ISO shall cooperate with the affected Market Participant to obtain proprietary or confidential treatment of confidential information by the person to whom such information is disclosed prior to such disclosure.

The ISO requests any Market Participant who intends to take action to challenge or defend against the disclosure of information to notify the ISO as soon as possible but no later than July 21 by contacting Jeanne M. Solé at (916) 608-1744, email <mailto:jsole@caiso.com> jsole@caiso.com.

Attachment A  
Data Request to the California ISO  
Number: ISO-00-07-1  
Energy Division  
July 13, 2000

1. Please submit a chart of peak demand by region for the month of June 2000, along with a correlated chart re: what the supply was by region.

This request is urgent; please respond no later than June 17.

Data Request to the California ISO  
Number: ISO-00-07-2  
Energy Division  
July 13, 2000

Some of these requests are immediate; others are longer-term. In some cases it may be necessary to work out definitions, revise the requests, or to include other agencies in data-gathering; CPUC staff are available to work with you.

#### A. Procedures

1. The Daily Operating Loads and Resources report should be sent to the following CPUC staff daily, without fail: maz@cpuc.ca.gov, mzierring@concentric.net; bds@cpuc.ca.gov; shoe@ix.netcom.com; ckt@cpuc.ca.gov; dog@cpuc.ca.gov; sul@cpuc.ca.gov; dkl@cpuc.ca.gov; wmb@cpuc.ca.gov.

2. As soon as a peak day call is scheduled, please let us know by pager without fail. To activate our pager system, dial (415) 703-3332; and also send the information to the above address. To make sure we get the message, please send us an e-mail (at the above addresses) if possible. We'll coordinate to avoid using multiple ports.

Pages or e-mail notices should include the time of the call, the phone number that we need to dial, any necessary passkeys and the name of the conference call's host or owner.

3. Please assign a knowledgeable ISO contact person each day, who can serve as a contact. This person should listen in on all peak day calls and then be available to speak with us about it (in order to ask for further details or clarification, and to explain technical terms or concepts,) This person should also be able to respond fairly quickly to our questions (e.g., about operations and planning), to obtain real-time data (demand, supply, reserves, change in generation and/or imports, etc.) and to provide updates every hour or two (or as needed).

4. We need to work together to assure that you and we develop an appropriate list of contacts within and without our organizations to deal with the full range of potential emergencies.

## B. Short-Term Improvements in Data Reporting

The Daily Operating Loads and Resources report needs to contain more details. This includes the following:

- Further details about the reasons why generation units are out of service. What is the nature of the problem? Was it a forced outage or a scheduled outage? When did the ISO approve the scheduled outage? Can the work be accelerated in an emergency, and what are the repercussions of doing so?
- Instead of having an aggregate number for ISO generation "less than 300MW" out of service, we need a list of each plant and its associated details contained in the report (MW, reason for being out of service, date out, and return date).
- Indicate where plants out of service are located (city or region, service territory) and who owns them.
- Further details about the major California transmission paths out of service. Instead of indicating lines that are de-rated and only the amount that is de-rated due to some problem (reason), it should also include the rated capacity and the change relative to the previous day. If paths are subject to simultaneous ratings (nomograms) this should be noted.

## C. Medium-Term Improvements in Data reporting:

- Provide information about regional supply and demand, especially for transmission-constrained areas such as San Francisco, the Bay Area, and other RMR areas such as Humboldt and the Los Angeles Basin. Residual demand and supply numbers for non-RMR areas (divided into logical geographical units).

For each area we need yesterday's actuals and today's forecast for:

Total consumption  
Interruptible customers interrupted  
Rotating outages  
Total Consumer Demand  
Installed capacity in the area  
Import capability into the area (if relevant)  
Forced outages by area  
Scheduled maintenance by area  
Total Available Capacity in Area

- Note areas that may experience voltage problems during the day, with a rough estimate of what loss of local generation (or unexpected increase in load) could cause problems (we understand that that relationship is not one-to-one and cannot be reported exactly).

- Provide information about: (1) the status of power delivery bottlenecks throughout California, e.g., the Tracy banks; and (2) transmission lines or substations, etc., that could experience problems on unusually hot days. One possible approach would be to list all bottlenecks, and to provide additional information for those that were (or will be) stressed on a particular day.

Suggestion: The ISO may want to consider having a secure web site, containing detailed information and updates, that the CPUC can access. This may minimize the amount of person-to-person contact required.

## D. Longer-Term Data Requirements:

### I. IN-STATE GENERATION PLANTS:

- A. Knowledge base: a common data base of plants including
- 1) Name
  - 2) Useful Capacity (if there are both emergency and normal limits)
  - 3) Location (street address, city, county, state?)
  - 4) Service Territory

- 5) Owner (i.e. corporation)
- 6) Plant contact for maintenance questions
- 7) Which (if any) RMR area is the plant in?
- 8) Is the plant an RMR unit?
- 9) Type and fuel source
- 10) Gas company supplier (if any)

Some level of data for other western regions would be useful (major units out, supply demand balance).

## II. LOADS AND RESOURCES (IN ADDITION TO THE CURRENT REPORT)

### A. Knowledge base:

- Normal & Max temperatures for each day, temps and system demand at 1, 2, 3 standard deviations above normal.
- Typical load curves for normal/hot days.

### B. Daily reports-additional information to include

- Forecasts for the rest of the week (or into Monday of the next week) of both temperature and demand
- Information on load and resource balance in the Northwest, southwest, etc.
- Whether and how much (in degrees and in standard deviations from normal) temps and demand are running above normal 1) this year & 2) in the last two weeks.
- The relationship between temperatures and demand in various regions; and the probability and severity of potential stage II and III alerts. (One way to get at this would be to estimate the non-firm and firm load that would be interrupted at temps/demands at 1, 2 and 3 standard deviations above normal)

*Great stuff*

## III. Status of Major Transmission links:

- COI (AC)
- COI (DC)
- IPP DC
- Other ties to the Southwest
- Important in-state paths, including:
  - 1) thermal limits
  - 2) rated seasonal capacity (note simultaneous ratings or nomograms)
  - 3) actual available capacity (and reason for downrating)
  - 4) two week rolling average imports
  - 5) yesterday's actual imports
  - 6) today's expected imports
  - 7) paths subject to simultaneous ratings (nomograms)

Again, updates would be helpful during the day.

## IV. Market Information

- 1) Day Ahead Schedules as % of forecast demand:
- 2) Hour Ahead "
- 3) Supplemental supplies (reported hourly)
  - In state/NW/SW
    - Annual Average
    - Last two weeks
    - Hottest day this year
    - Yesterday's actuals
    - Today's forecast (if applicable)
  - By region (CA, NW, SW)
- 4) PX prices
  - Day Ahead
  - Hour Ahead
  - Annual Average

- Last two weeks
  - Hottest day this year
  - Yesterday's actuals
  - Today's forecast (if applicable)
  - By region (CA, NW, SW)
- 5) Ancillary Services

V. Conditions in Transmission Constrained Areas (RMR areas?)

For each RMR area (and for non-RMR areas, by utility):

- 1) Normal import capability
- 2) Today's transmission import capability (with explanation of differences)
- 3) Demand
- 4) Total generation
- 5) Generation units out
- 6) Generation that needs to be available to prevent voltage problems (or some sort of sensitivity & probability analysis to show what conditions could lead to voltage problems, and how severe those problems could be).

Attachment B: Data requested by the EOB:

For items 1-10, the specified information is requested for the following trades dates: June 1, 2000 through current date; May 20, 2000 through May 24, 2000; and August 22 through August 28, 1999:

(1) Day Ahead Schedules by unit and take out point including Ancillary Services.

(2) Hour Ahead Schedules by unit and take out point including Ancillary Services.

(3) Ancillary Service bid adequacy data.

(4) Bids into the BEEP stack.

(5) Actual operation by unit - divided between instructed and uninstructed generation.

(6) All out of market or out of sequence calls made by the CAISO during these periods.

(7) RMR calls by hour and by unit and election chosen by owner to either take contract path or market path, beginning in June 2000. Provide data indicating whether the unit was already in the market at the commencement of this period or whether the CAISO had to call the unit in real time for operation (even if such call was made the previous day).

(8) A list of all units, transmission lines, transformers and other system elements out on maintenance or forced out of service.

(9) Copies of the CAISO's " Morning Report."

(10) Stage 1 and Stage 2 Emergency Notices during this period. Focusing on system conditions, causal factors, and data depicting actual Operating Reserves during each such event on a ten-minute interval.

For the dates specified in requests 11-15, the following information is requested:

EOB didn't ask for the load

people w/ holding - we're just the broker

We did this one day - a couple hrs.

\$100K  
200K

(11) Control Performance Standards violations on June 13, 2000 with an explanation of what caused these violations or the CAISO's interpretation of what caused these violations.

(12) All records of communications regarding replacement reserve, including any internal correspondences relating to alteration, if any, of CAISO policy regarding quantity to procure beginning on May 1, 2000 through June 16, 2000.

people who  
who under-  
scheduling  
load.

(13) All records of communications regarding or related to two ~~Emergency Operating Orders Relating to Uninstructed Deviations~~ (issued June 14 and June 27), including specifics regarding the causes of these, responses to the orders, and, more generally, the matter of uninstructed deviations (or chasing the price).

(14) Provide detailed explanations of events that led to dropping load in the San Francisco Bay Area on June 14.

(15) Provide detailed explanation of events that led up to invoking CAISO operating procedure T-134 (Tracy transformer overload plus other affected transformer banks) on June 15, especially focusing on how municipal utilities responded and how settlements for such responses are expected to proceed.

Rolling  
Brown-  
out

(16) A table that cross references generators with their respective Scheduling Coordinator.

(17) A table that lists generators and the firm that owns this generator.

(18) A guide to unit/transactions that fall under the 'existing contract' category.

(19) Copies of current Operating Procedures T-121, T-126, T-133.

Jeanne M. Solé  
Regulatory Counsel  
California ISO  
(916) 608-7144

\$3-4 mil.  
- Day ahead  
sell - \$@75  
- Buy back in  
hour ahead  
\$750 or less  
- Two weeks  
of heat

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